



Precipitated Calcium Carbonate

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Issue date: 9/11/2012 Revision date: 4/26/2022 Supersedes: 7/6/2021 Version: 2.2

SECTION 1: Identification

1.1. Identification

Product form : Substance
Substance name : Precipitated Calcium Carbonate
Chemical name : Calcium carbonate
CAS-No. : 471-34-1
Product code : C-MS-AT2050VICALITYSPCC
Other means of identification : ViCALity ALBAFIL®, ViCALity ALBAGLOS®, ViCALity® Extra Heavy, ViCALity® Extra Light, ViCALity® Heavy, ViCALity® Medium, ViCALity® Light, ViCALity® Ultra Heavy, ViCALity® VL, ViCALity® H1

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Mineral additive

1.3. Supplier

Specialty Minerals Inc.,
260 Columbia Street,
Adams,
MA 01220
USA
Telephone: 1-877-684-7627

1.4. Emergency telephone number

Emergency number : +1 413-743-0591 / +1 760-476-3962
3E Global Emergency Response Services. Access code: 333336 (if you mention SDS name and company name-you don't need the access code)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Not classified

2.2. GHS Label elements, including precautionary statements

GHS US labeling

No labeling applicable

2.3. Other hazards which do not result in classification

Other hazards which do not result in classification : Dust may cause mechanical irritation of the eyes, skin and upper respiratory tract.

2.4. Unknown acute toxicity (GHS US)

Not applicable

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SECTION 3: Composition/Information on ingredients

3.1. Substances

Name	Product identifier	%	GHS US classification
Precipitated Calcium Carbonate	CAS-No.: 471-34-1	> 98	Not classified

3.2. Mixtures

Not applicable

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep at rest in a position comfortable for breathing. If symptoms develop obtain medical attention.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Drink plenty of water. If symptoms develop, obtain medical attention.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects	: Dust may cause mechanical irritation of the eyes, skin and upper respiratory tract.
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4.3. Immediate medical attention and special treatment, if necessary

Not applicable.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	: None.

5.2. Specific hazards arising from the chemical

Fire hazard	: Not flammable.
Reactivity in case of fire	: Calcium carbonate: decomposes on heating. Thermal decomposition generates : Carbon dioxide. Calcium oxide.
Hazardous decomposition products in case of fire	: Carbon dioxide. Calcium oxide.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate area. Avoid dust formation. Avoid breathing dust. Avoid contact with skin and eyes.
Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing and eye or face protection. Where excessive dust may result, wear approved mask.

Emergency procedures : Ventilate area. Avoid dust formation. Avoid breathing dust. Avoid contact with skin and eyes.
Wear independent breathing equipment.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if large amounts of the product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Stop leak, if possible without risk.

Methods for cleaning up : Minimize generation of dust. Sweep or shovel spills into appropriate container for disposal.

6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Provide appropriate exhaust ventilation at places where dust is formed. Avoid dust formation. Use only outdoors or in a well-ventilated area. Avoid breathing dust. Avoid contact with skin, eyes and clothing.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Incompatible materials. Keep container closed when not in use.

Incompatible materials : Acids.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Precipitated Calcium Carbonate (471-34-1)	
USA - OSHA - Occupational Exposure Limits	
Local name	Precipitated Calcium Carbonate
OSHA PEL (TWA) (mg/m³)	15 mg/m³ (Total dust) 5 mg/m³ (Respirable fraction)
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

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USA - NIOSH - Occupational Exposure Limits

NIOSH REL (TWA)	10 mg/m ³ Total dust 5 mg/m ³ Respirable dust
Regulatory reference (US-NIOSH)	Pocket Guide to Chemical Hazards

8.2. Appropriate engineering controls

Appropriate engineering controls	: Provide adequate ventilation, including appropriate local extraction, to ensure that occupational exposure limits are not exceeded.
Environmental exposure controls	: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

In case of repeated or prolonged contact wear gloves. The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed. Gloves should be removed and replaced if there are any signs of degradation or breakthrough.

Eye protection:

Wear safety glasses with side shields.

Skin and body protection:

Not required for normal conditions of use

Respiratory protection:

In case of insufficient ventilation and possible dust formation, wear suitable respiratory equipment.

Thermal hazard protection:

Not required for normal conditions of use.

Other information:

Do not eat, drink or smoke during use. Handle in accordance with good industrial hygiene and safety procedures.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Color	: White.
Odor	: odorless
Odor threshold	: No data available
pH	: ≈ 10
Melting point	: Decomposes without melting
Freezing point	: No data available
Boiling point	: Not applicable
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not flammable.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 2.71 (Water = 1)
Solubility	: Water: Partially soluble

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Log Pow	: Not relevant for inorganic substances
Auto-ignition temperature	: No data available
Decomposition temperature	: > 450 °C
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: Not explosive.
Oxidizing properties	: Not oxidizing.

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under recommended handling and storage conditions (see section 7).

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

Contact with acids or strong heating liberates carbon dioxide, sometimes violently.

10.4. Conditions to avoid

Heat. Dust formation.

10.5. Incompatible materials

Acids.

10.6. Hazardous decomposition products

Contact with acids or strong heating liberates carbon dioxide, sometimes violently. Thermal decomposition generates : Calcium oxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Precipitated Calcium Carbonate (471-34-1)	
LD50 oral, rat	> 2000 mg/kg (OECD 420 method)
LD50 dermal, rat	> 2000 mg/kg (OECD 402 method)
LC50 inhalation, rat (mg/l)	> 3 mg/l - 4 Hours (OECD Guideline 403) for solid substance

Skin corrosion/irritation	: Not classified pH: ≈ 10
Serious eye damage/irritation	: Not classified pH: ≈ 10
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

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Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Symptoms/effects	: Dust may cause mechanical irritation of the eyes, skin and upper respiratory tract.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
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Precipitated Calcium Carbonate (471-34-1)	
LC50 fish	> 100 mg/l - 96 Hours (Oncorhynchus mykiss) (OECD 203 method)
EC50 Daphnia	> 100 mg/l - 48 Hours (Daphnia magna) (OECD 202 method)
EC50 - Other aquatic organisms [2]	> 1000 mg/l 3 Hours (Activated sewage sludge)(OECD 209 method)
ErC50 algae	> 14 mg/l - 72 Hours (Desmodesmus subspicatus)(Growth rate, Yield)(OECD 201 method)
NOEC (acute)	14 mg/l (Desmodesmus subspicatus) (OECD 201 method)

12.2. Persistence and degradability

Precipitated Calcium Carbonate (471-34-1)	
Persistence and degradability	Not relevant for inorganic substances.

12.3. Bioaccumulative potential

Precipitated Calcium Carbonate (471-34-1)	
Log Kow	Not relevant for inorganic substances
Bioaccumulative potential	Not expected to bioaccumulate.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information	: Avoid release to the environment.
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SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

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14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

Proper Shipping Name (DOT)	: Not applicable
Proper Shipping Name (TDG)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT)	: Not applicable
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TDG

Transport hazard class(es) (TDG)	: Not applicable
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IMDG

Transport hazard class(es) (IMDG)	: Not applicable
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IATA

Transport hazard class(es) (IATA)	: Not applicable
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14.4. Packing group

Packing group (DOT)	: Not applicable
Packing group (TDG)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable

14.5. Environmental hazards

Other information	: No supplementary information available.
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14.6. Special precautions for user

Special transport precautions	: No special precautions required
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DOT

No data available

TDG

No data available

IMDG

No data available

IATA

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.2. International regulations

CANADA

Precipitated Calcium Carbonate (471-34-1)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Precipitated Calcium Carbonate (471-34-1)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations

Precipitated Calcium Carbonate (471-34-1)

State or local regulations	U.S. - Massachusetts - Right To Know List
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California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

Revision date	: 04/26/2022
Data sources	: US OSHA HazCom (GHS) 25 May 2012. U.S. 29CFR Part 1910 ACGIH Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices IARC Monographs on the Evaluation of the Carcinogenic Risks to Humans World Health Organization EU Directive 91/322/EEC and 2000/39/EC NTP 11th Report on Carcinogens.
Other information	: None.

Abbreviations and acronyms

	ACGIH (American Conference of Government Industrial Hygienists)
	DOT (Department Of Transportation (US))
	CAS (Chemical Abstracts Service) number
	EC50 (Effective Concentration 50%)
	IARC (International Agency for Research on Cancer)
	IATA (International Air Transport Association)
	IMDG (International Maritime Dangerous Goods Code)
	IMO (International Maritime Organisation)
	LC50 (Lethal Concentration 50%)

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Abbreviations and acronyms	
	LD50 (Lethal Dose 50%)
	NIOSH (National Institute for Occupational Safety and Health)
	NOEC (No Observed Effect Concentration)
	OECD (Organisation for Economic Co-operation and Development)
	OSHA (Occupational Safety and Health Administration) (US)
	PEL (Permissible Exposure Limit)
	STEL (Short Term Exposure Limit)
	TLV (Threshold Limit Value) (ACGIH)
	TSCA (Toxic Substances Control Act) (US)
	TWA (Time Weighted Average)
	UNxxxx (Number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods)

NFPA health hazard

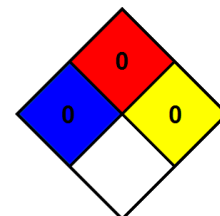
: 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.

NFPA fire hazard

: 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity

: 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating

Health

: 0 Minimal Hazard - No significant risk to health

Flammability

: 0 Minimal Hazard - Materials that will not burn

Physical

: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Indication of changes:			
Section	Changed item	Change	Comments
8	Exposure controls / Personal protection equipment	Modified	
16	Other information	Modified	

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